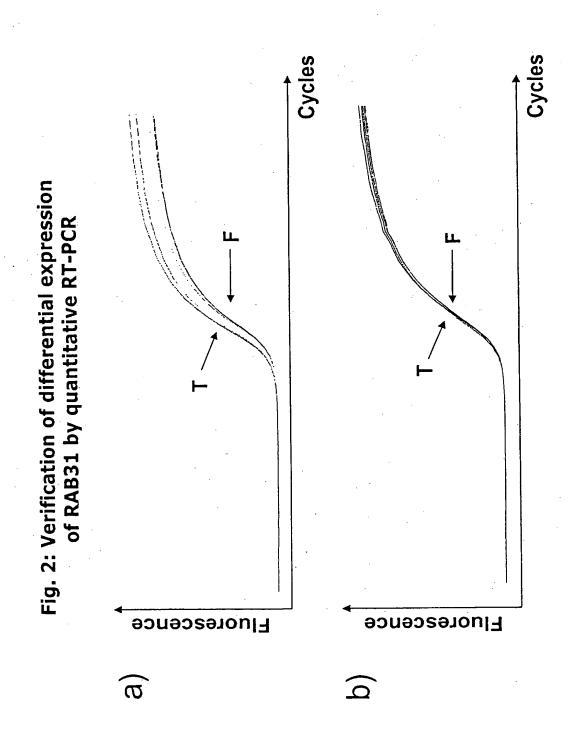


BEST AVAILABLE COPY

-2/9-



BEST AVAILABLE COPY

-3/9-

Fig. 3: SEQ ID NO. 1; amino acid sequence of human RAB31 protein

Length: 194 aa

- 1 MAIRELKVCL LGDTGVGKSS IVCRFVQDHF DHNISPTIGA SFMTKTVPCG
- 51 NELHKFLIWD TAGQERFHSL APMYYRGSAA AVIVYDITKQ DSFYTLKKWV
- 101 KELKEHGPEN IVMAIAGNKC DLSDIREVPL KDAKEYAESI GAIVVETSAK
- 151 NAINIEELFQ GISRQIPPLD PHENGNNGTI KVEKPTMQAS RRCC

-4/9-

Fig. 4: SEQ ID NO. 2; nucleotide sequence of human RAB31 cDNA coding sequence

Length: 585 bp

1	ATGGCGATAC	GGGAGCTCAA	AGTGTGCCTT	CTCGGGGACA	CTGGGGTTGG
51	GAAATCAAGC	ATCGTGTGTC	GATTTGTCCA	GGATCACTTT	GACCACAACA
101	TCAGCCCTAC	TATTGGGGCA	TCTTTTATGA	CCAAAACTGT	GCCTTGTGGA
151	AATGAACTTC	ACAAGTTCCT	CATCTGGGAC	ACTGCTGGTC	AGGAACGGTT
201	TCATTCATTG	GCTCCCATGT	ACTATCGAGG	CTCAGCTGCA	GCTGTTATCG
251	TGTATGATAT	TACCAAGCAG	GATTCATTTT	ATACCTTGAA	GAAATGGGTC
301	AAGGAGCTGA	AAGAACATGG	TCCAGAAAAC	ATTGTAATGG	CCATCGCTGG
351	AAACAAGTGC	GACCTCTCAG	ATATTAGGGA	GGTTCCCCTG	AAGGATGCTA
401	AGGAATACGC	TGAATCCATA	GGTGCCATCG	TGGTTGAGAC	AAGTGCAAAA
451	AATGCTATTA	ATATCGAAGA	GCTCTTTCAA	GGAATCAGCC	GCCAGATCCC
501	ACCCTTGGAC	CCCCATGAAA	ATGGAAACAA	TGGAACAATC	AAAGTTGAGA
551	AGCCAACCAT	GCAAGCCAGC	CGCCGGTGCT	GTTGA	

-5/9-

Fig. 5: SEQ ID NO. 3

Length: 212 bp

ACCGTGGACC ACGGCCCTTG GGTCAACAGC ACCGGCGGCT GGCTTGCATG

51 GTTGGCTTCT CAACTTTGAT TGTTCCATTG TTTCCACTTT CATGGGGGTC

101 CAAGGGTGGG ATCTGGCGGC TGATTCCTTG AAAGAGCTCT TCGATATTAA

151 TAGCATTTTT TGCACTTGTC TCAACCACGA TGGCACCTAT GGATTCAGCG

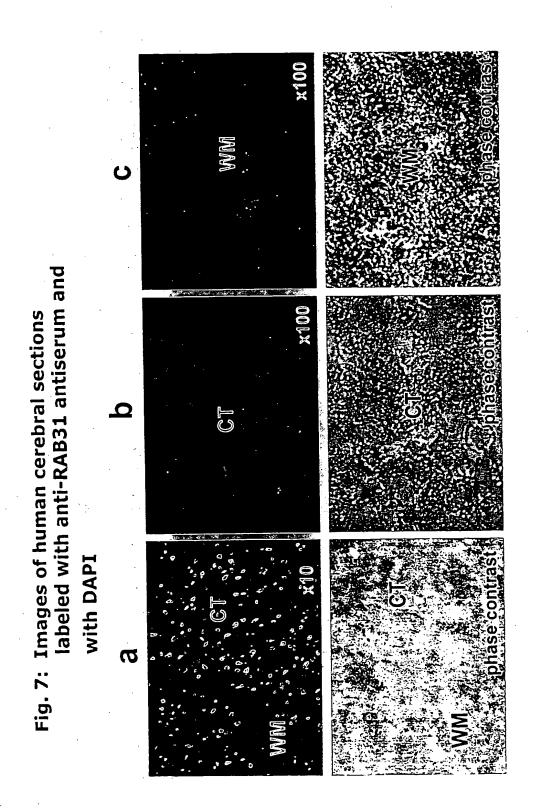
201 TATTCCTTAG CA

-6/9-

Fig. 6: Alignment of SEQ ID NO. 3 with human RAB31 cDNA

Length: 212 bp

TGCTAAGGAATACGCTGAATCCATAGGTGCCATCGTGGTTGAGACAAGTG	163
TGCTAAGGAATACGCTGAATCCATAGGTGCCATCGTGGTTGAGACAAGTG	576
CAAAAATGCTATTAATATCGAAGAGCTCTTTCAAGGAATCAGCCGCCAG	113
CAAAAATGCTATTAATATCGAAGAGCTCTTTCAAGGAATCAGCCGCCAG	626
•	
ATCCCACCCTTGGACCCCCATGAAAGTGGAAACAATGGAACAATCAAAGT	63
ATCCCACCCTTGGACCCCCATGAAAATGGAAACAATGGAACAATCAAAGT	676
	1 7
TGAGAAGCCAACCATGCAAGCCAGCCGCCGGTGCTGTTGACCCAAGGGCC	13
	726
TGAGAAGCCAACCATGCAAGCCAGCCGCCGGTGCTGTTGACCCAAGGGCC	720
CTCCTCCACCCT. 1	
1111111111	
	TGCTAAGGAATACGCTGAATCCATAGGTGCCATCGTGGTTGAGACAAGTG



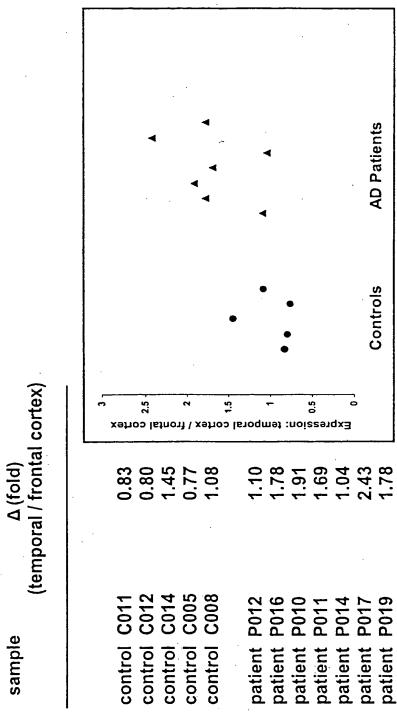
BEST AVAILABLE COPY

genes in microarray hybridization experiments Fig.8: Identification of differentially expressed

Ratio fluorescence intensity: temporal / frontal cortex	1.61	1.74			
Used probes (Cy5- / Cy3-labeled)	PT _{SSH(2)} / PF _{SSH(1)}	PT/PF			
Type of probe	S	В			
Biochip	-	2			

-8/9-





<u>-ig.9</u>